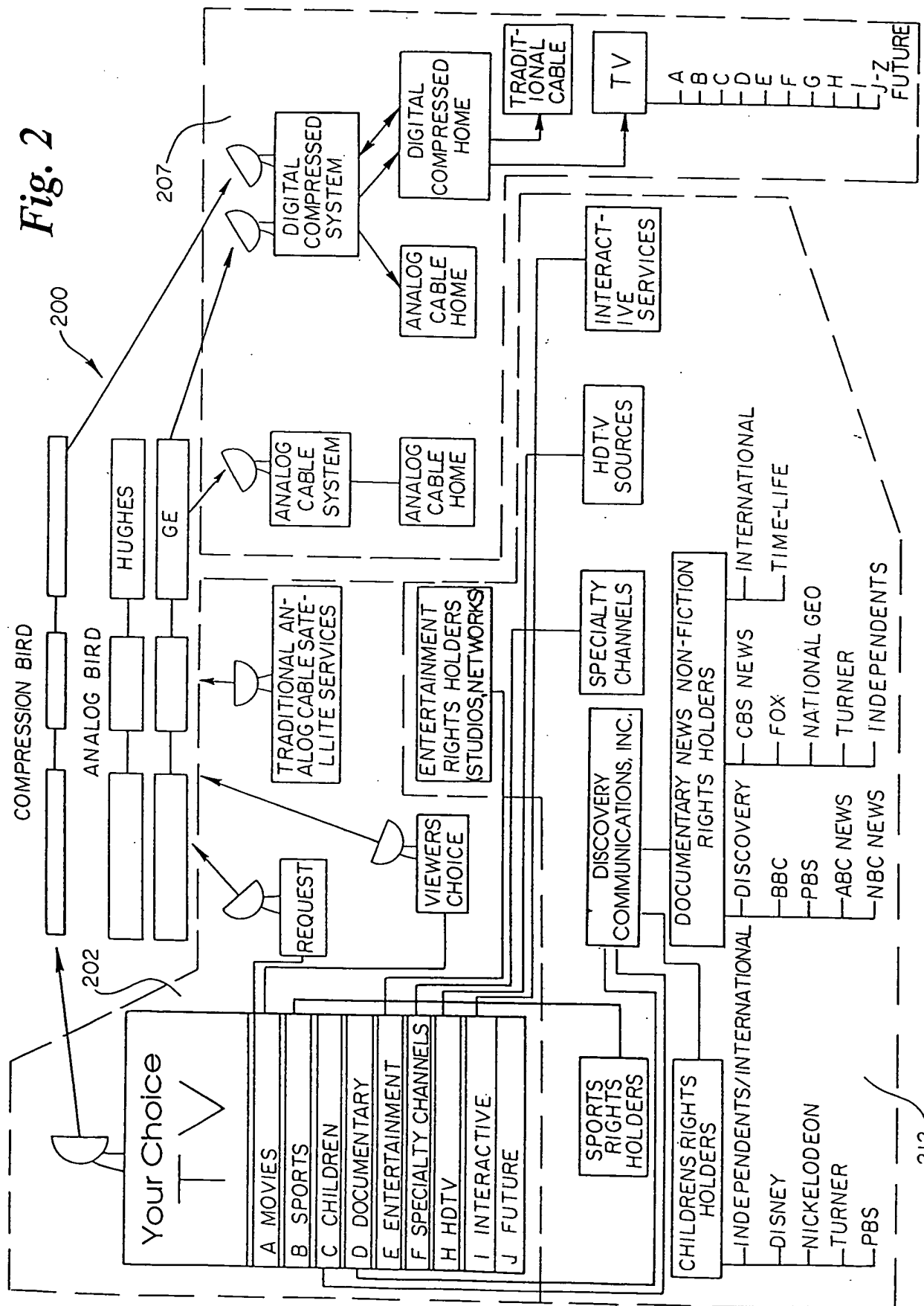


Fig. 1

Fig. 2



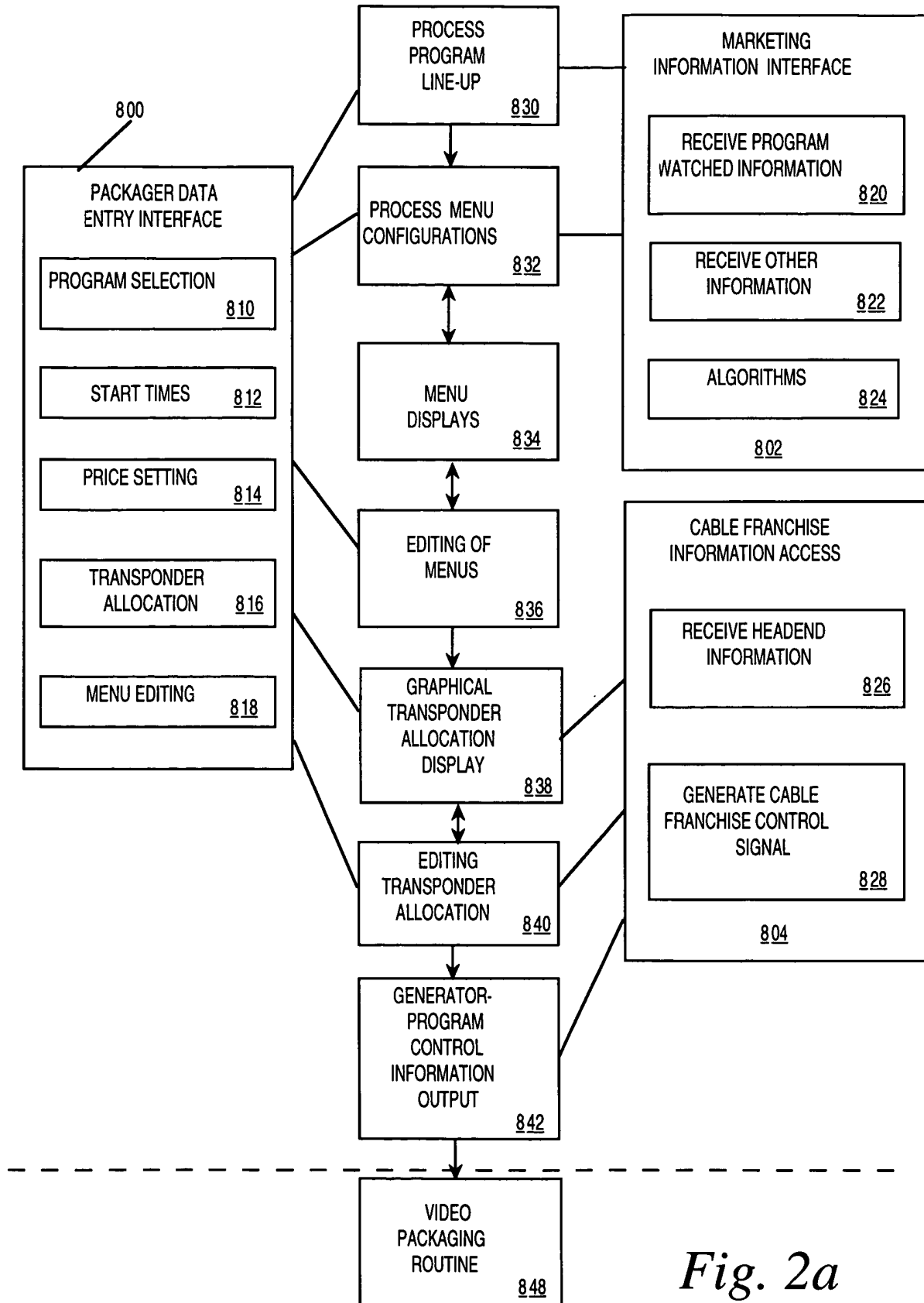


Fig. 2a

Fig. 2b

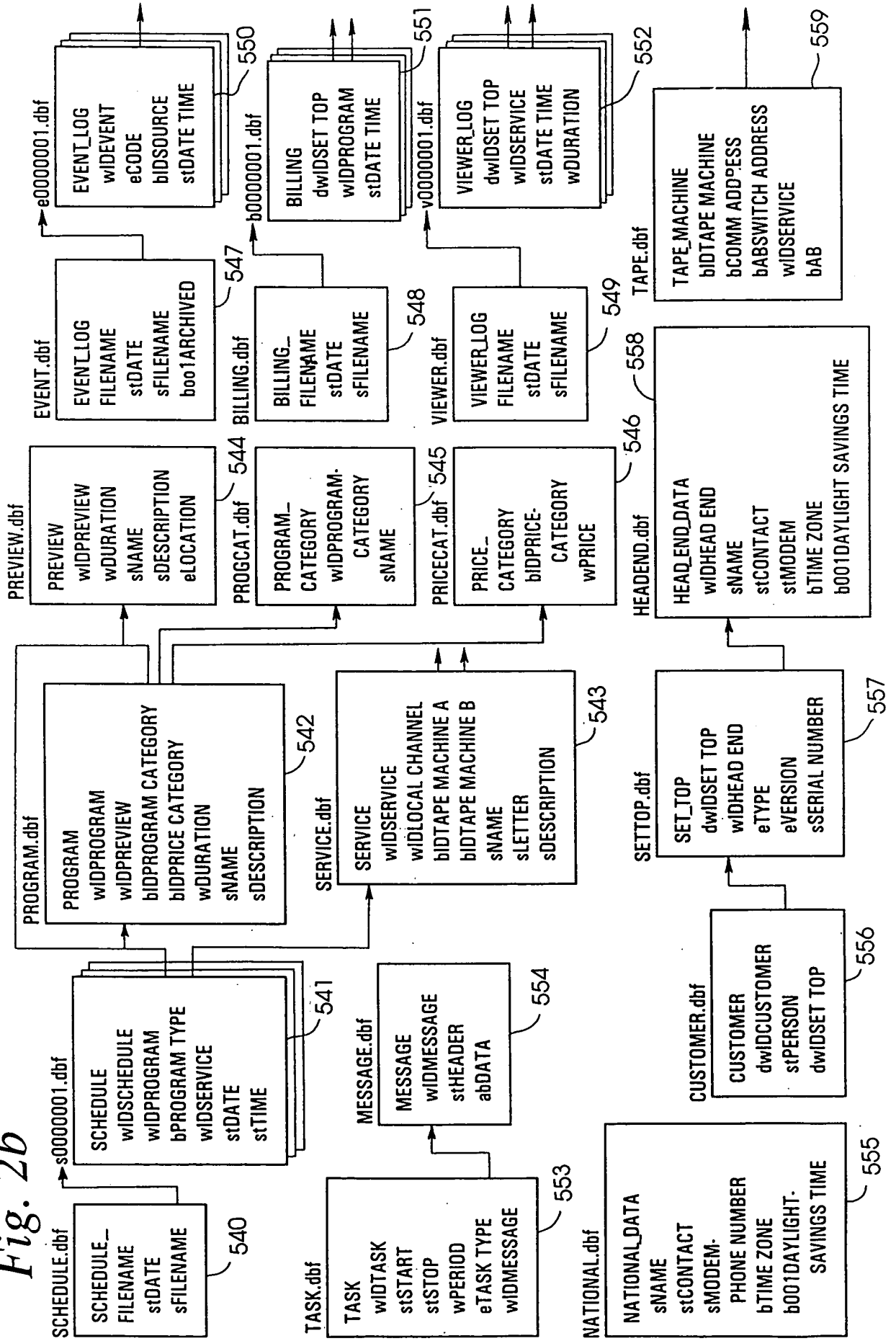
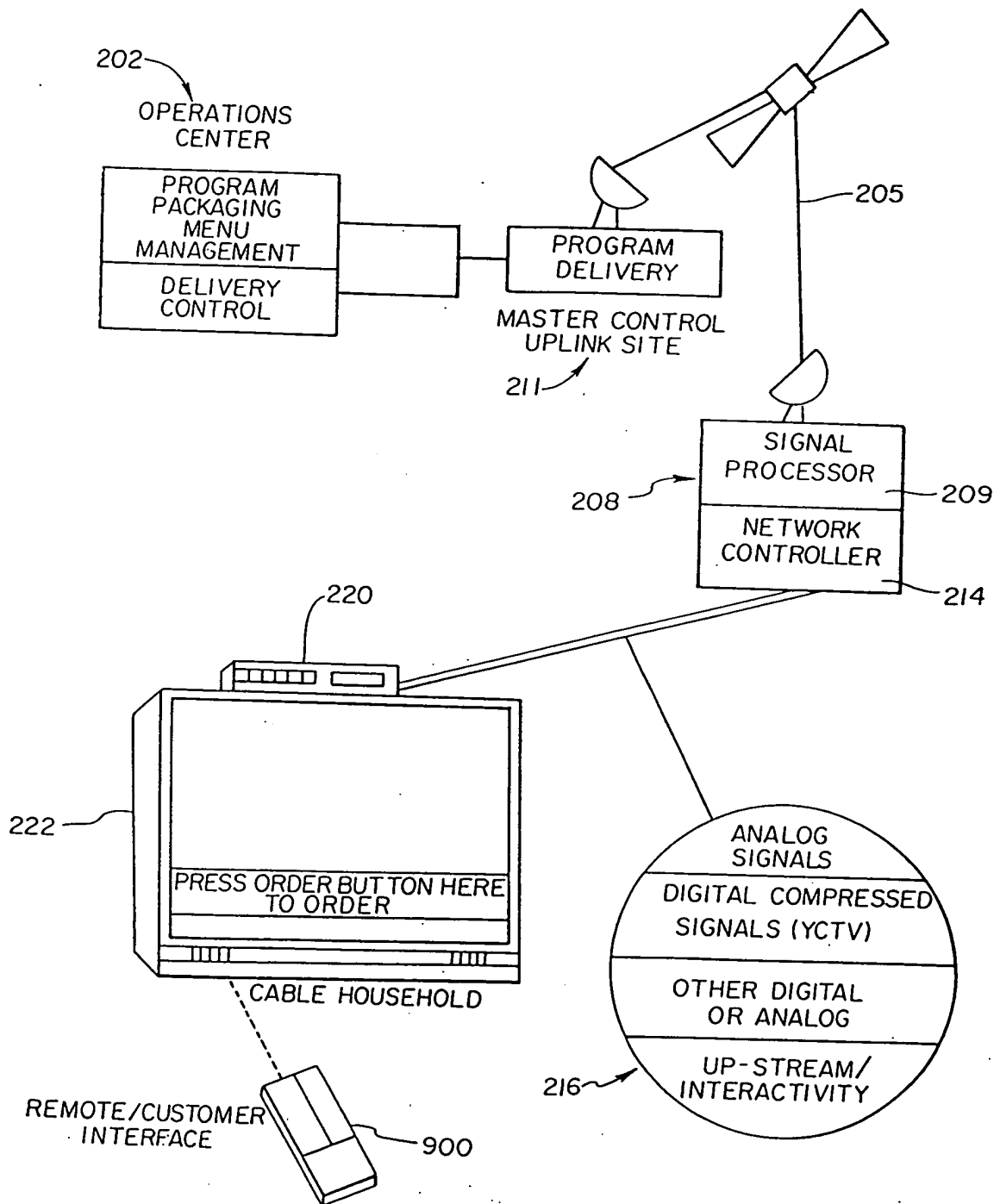


Fig. 3



866220" E4042T60

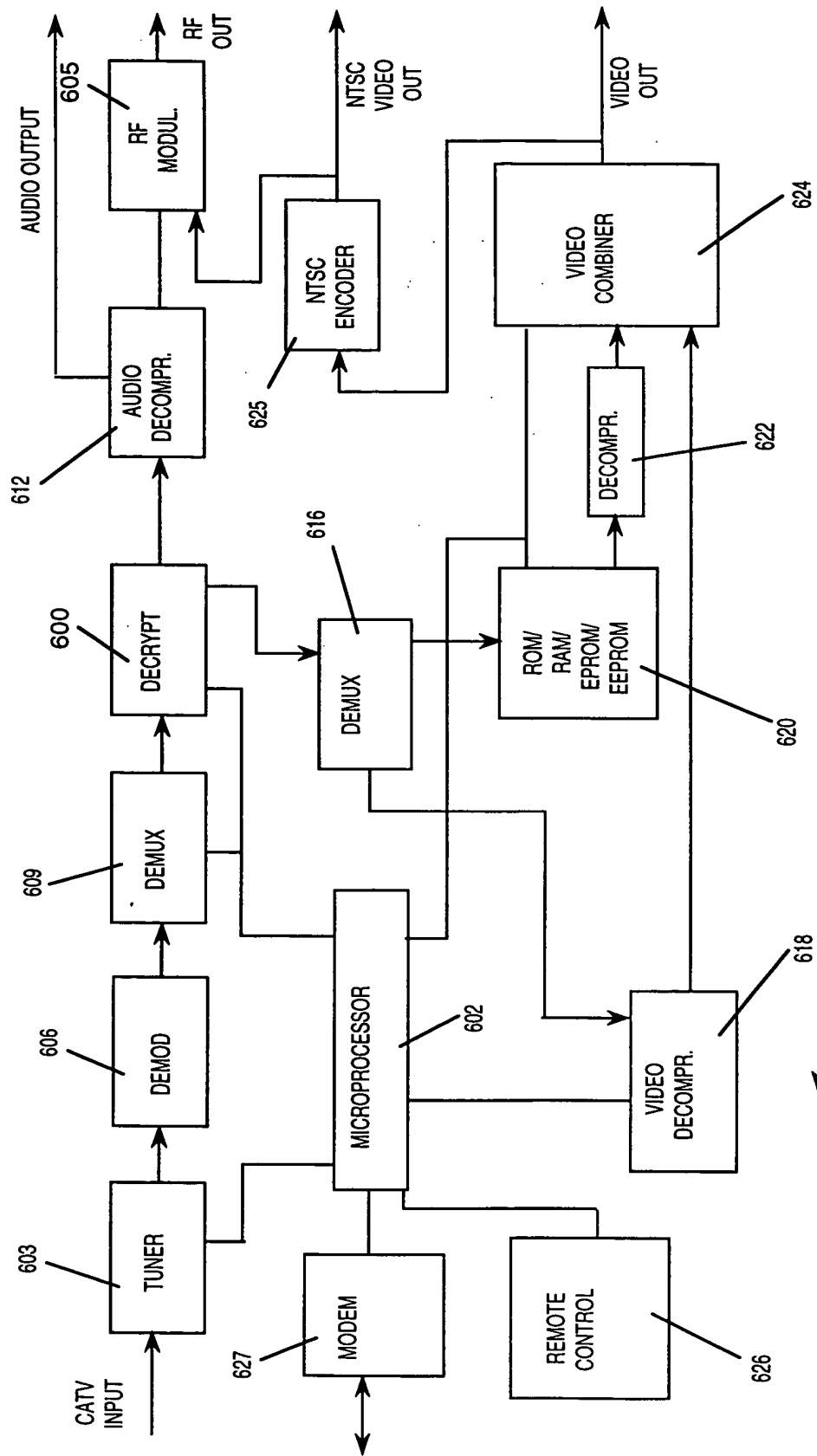


Fig. 4

866220" E4042760

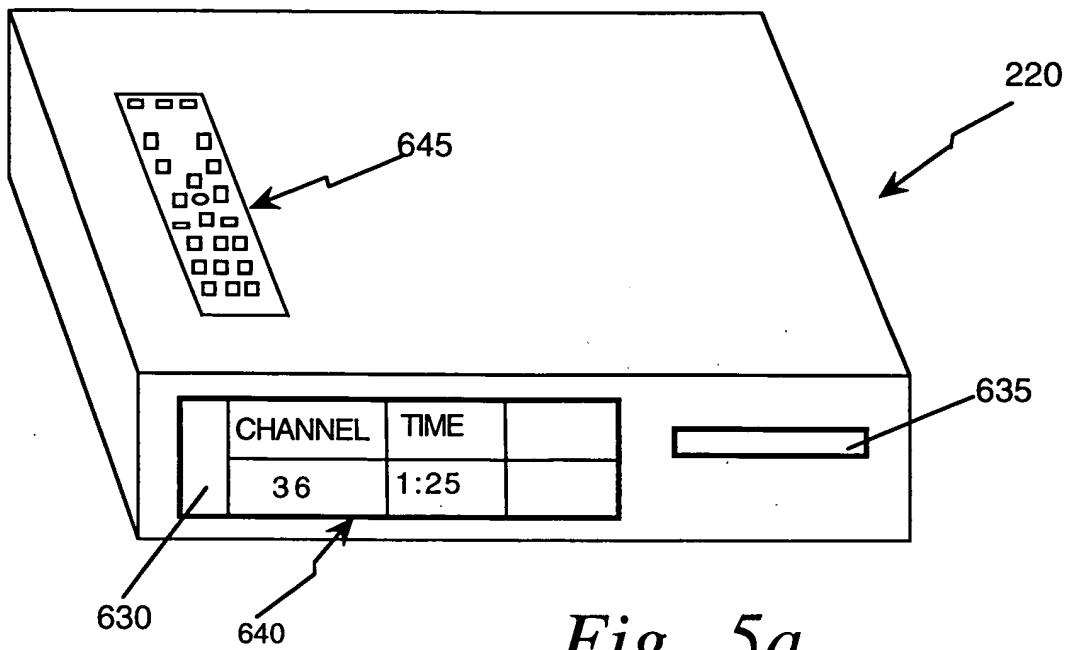


Fig. 5a

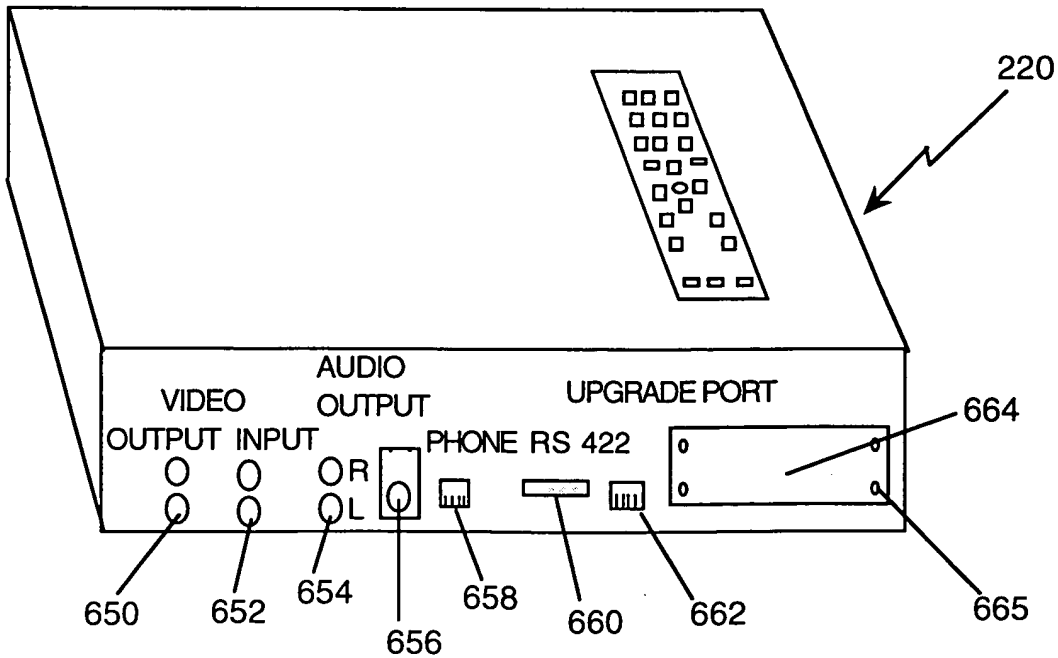


Fig. 5b

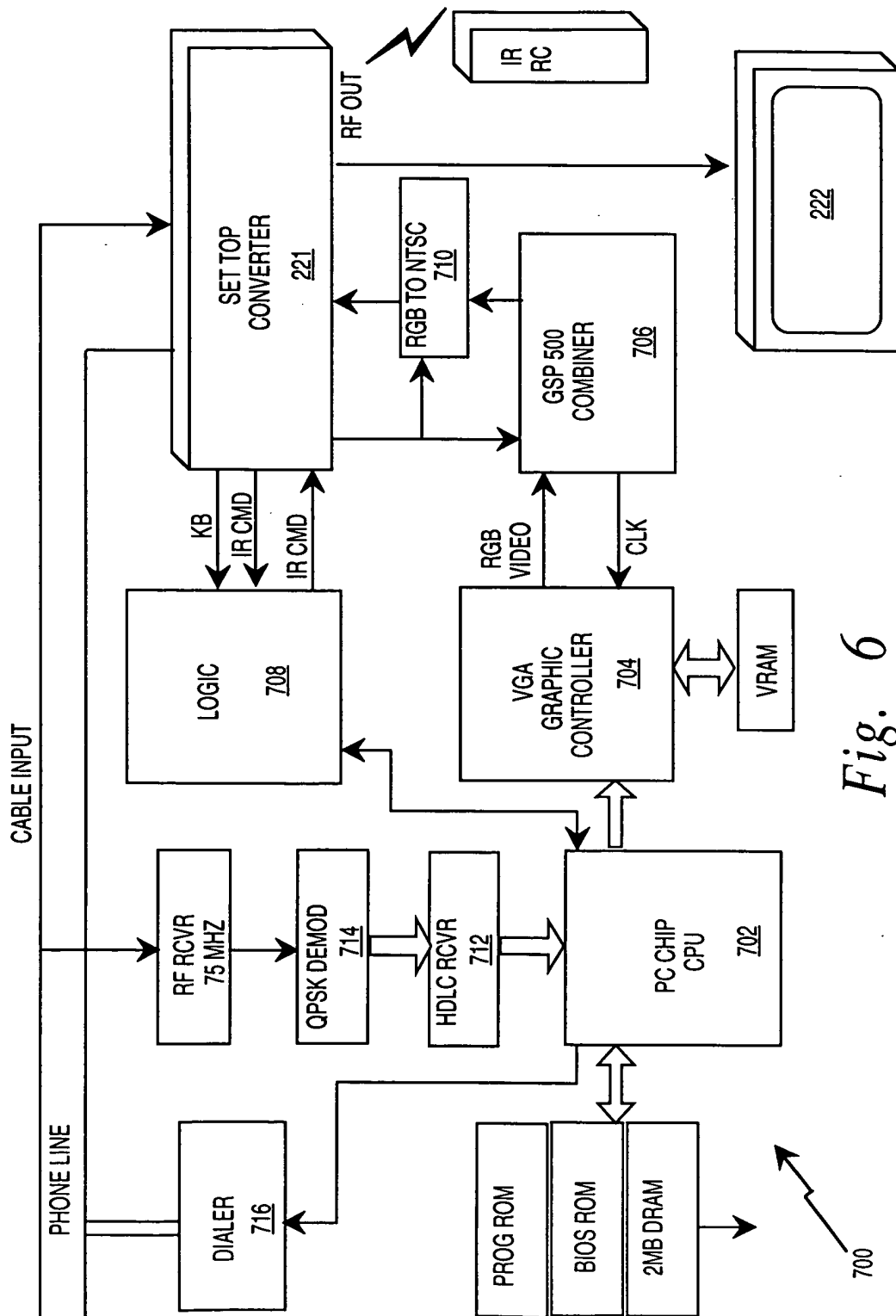
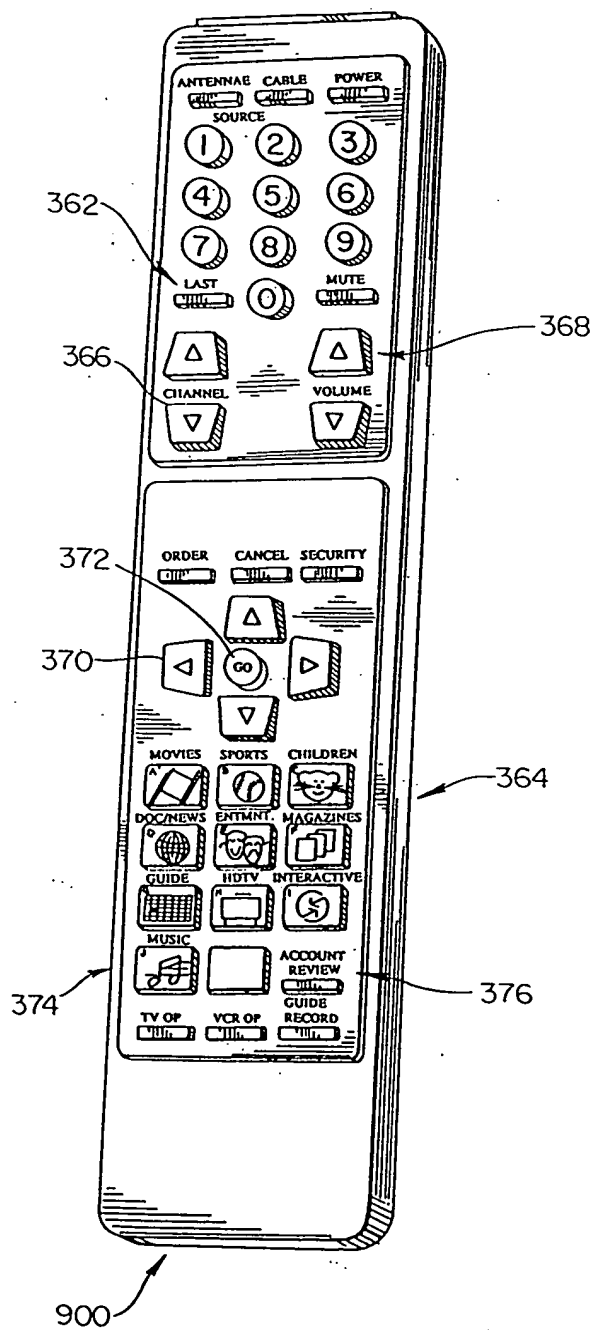
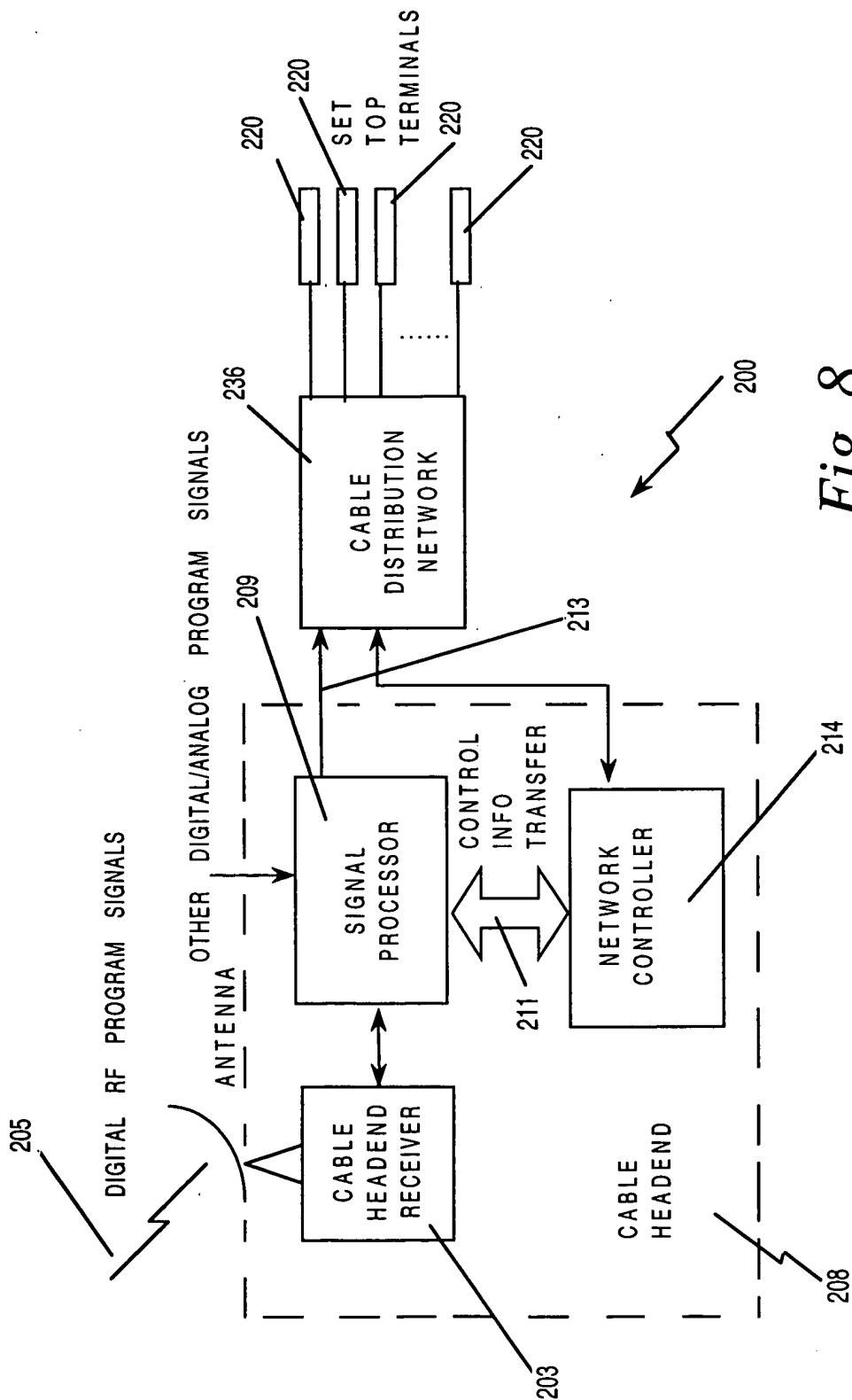
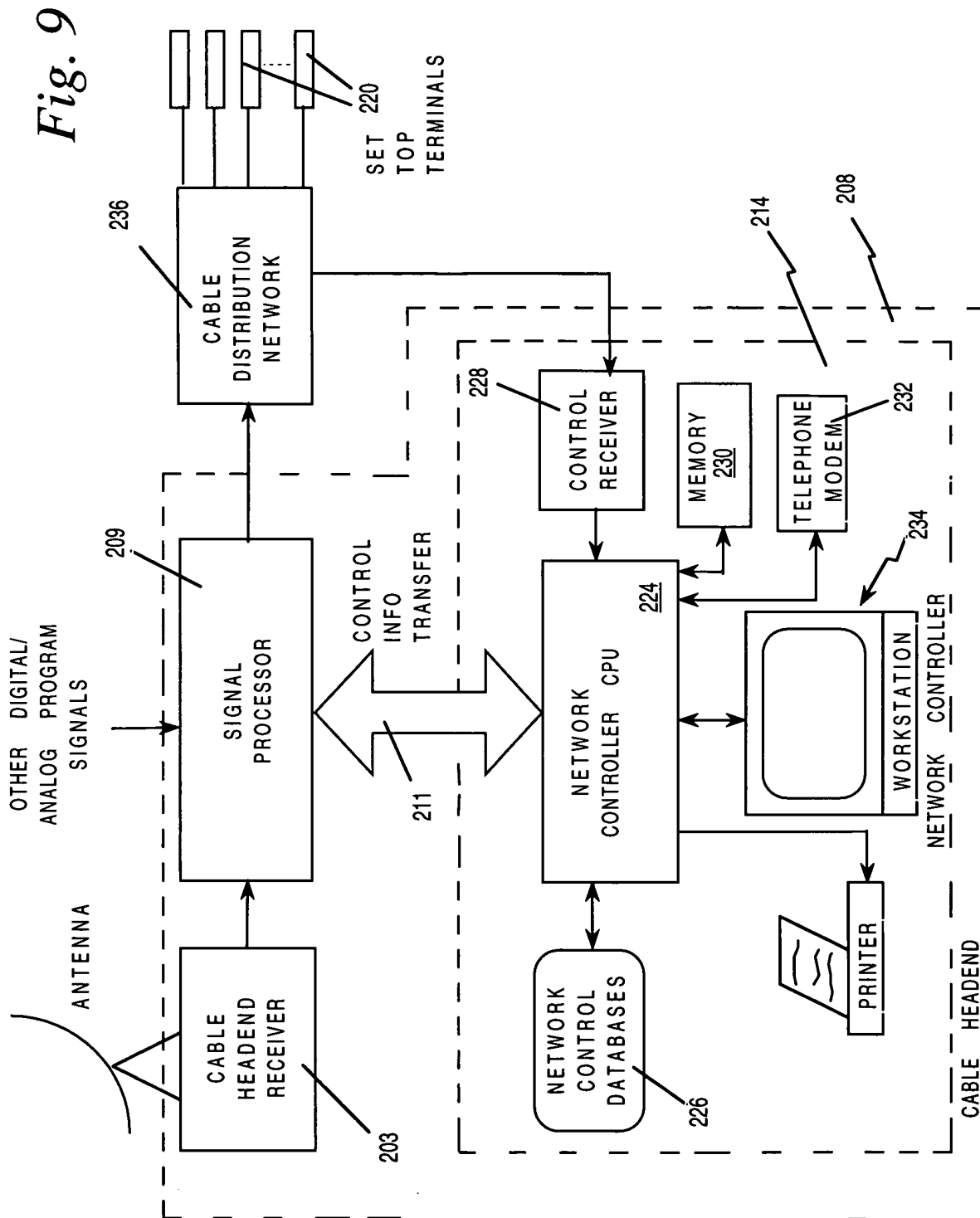


Fig. 6

Fig. 7







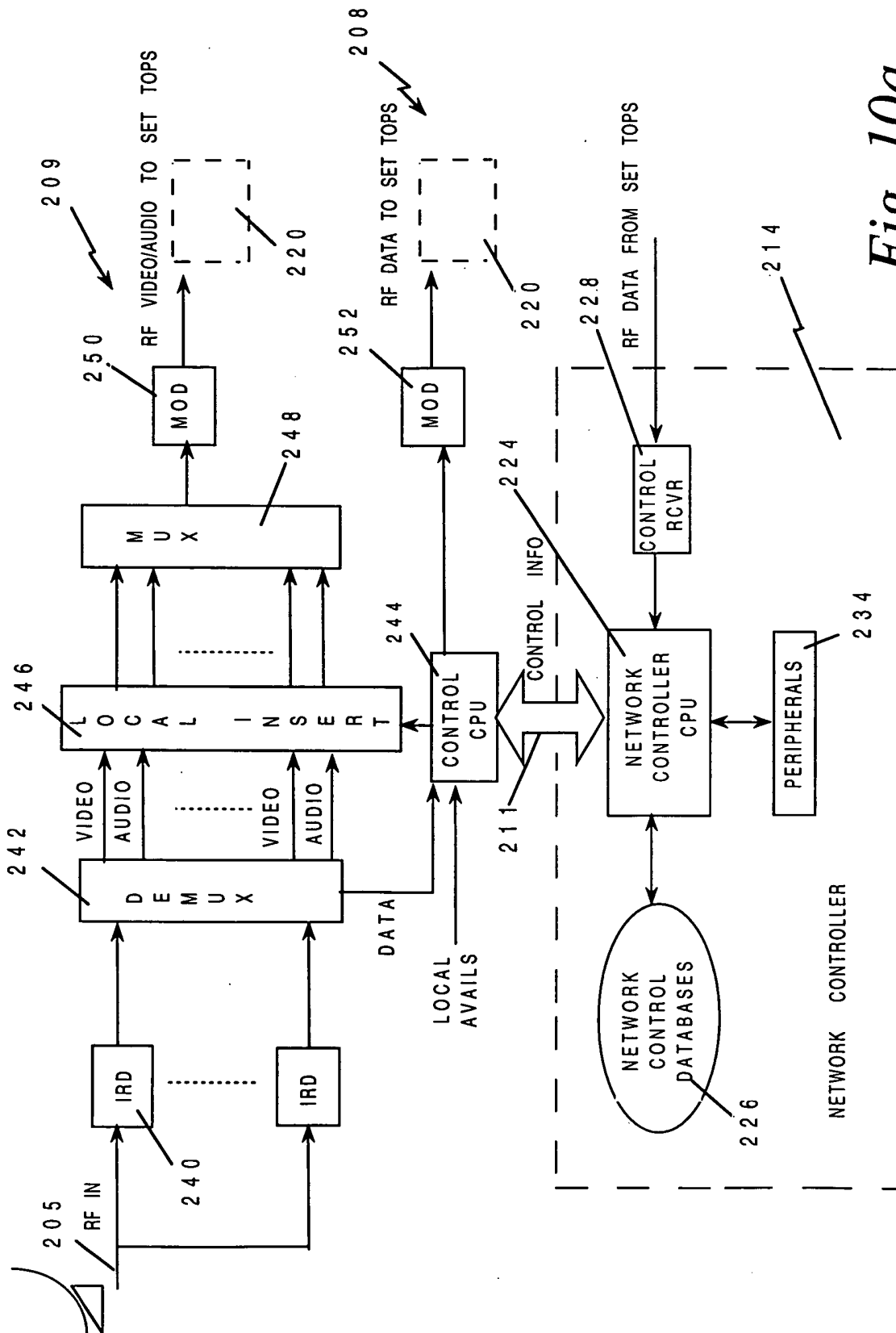


Fig. 10a

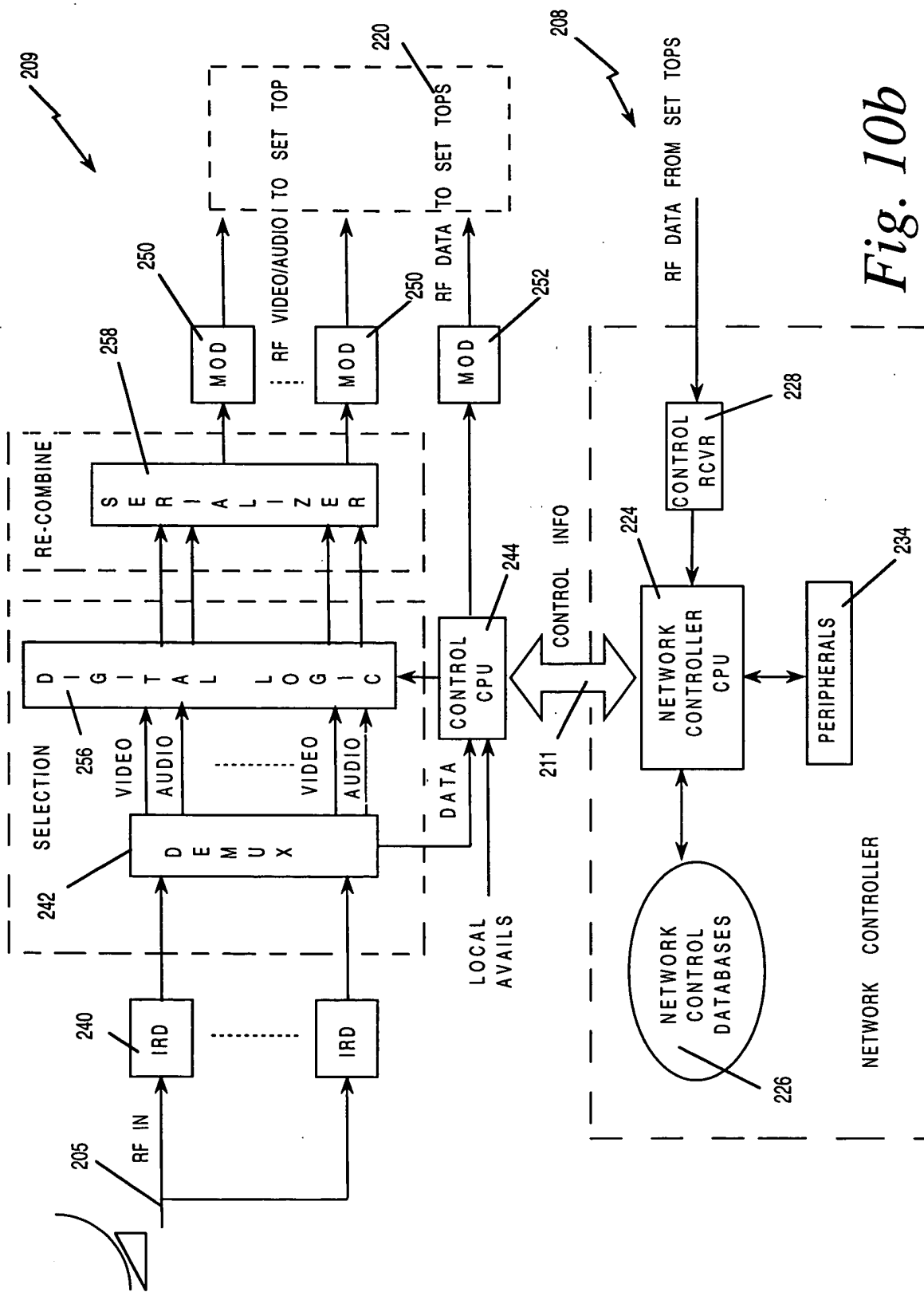


Fig. 10b

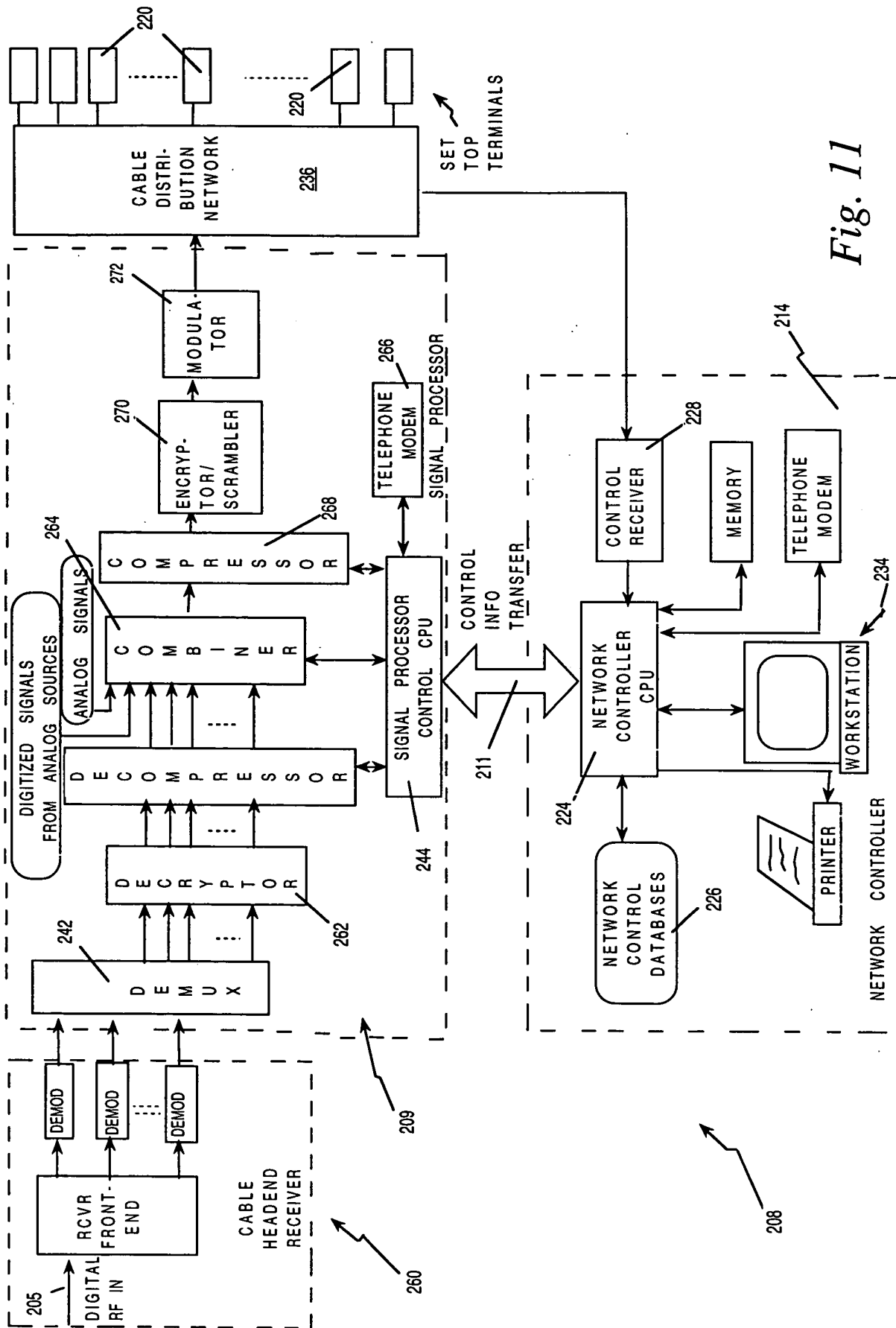


Fig. 11

Fig. 12

The diagram illustrates a headend system architecture, enclosed in a dashed box labeled 208 and titled "HEADEND". The system is connected to external inputs and outputs as follows:

- Inputs:**
 - Telephone Line (245):** Connected to the "AUTHORIZATION" block (235) and the "SIGNAL RECEPTION" block (233).
 - Upstream Data From Subscribers (247):** Connected to the "RCVR" (254) and the "AUTHORIZATION" block (235).
 - ATM:** Connected to the "SIGNAL RECEPTION" block (233).
 - LOCAL FEEDS:** Multiple lines connected to the "SIGNAL RECEPTION" block (233).
- Internal Components and Connections:**
 - SIGNAL RECEPTION (233):** The primary input stage, which feeds into the "FILE SERVER" (215) and the "NETWORK MANAGEMENT CPU" (260).
 - AUTHORIZATION (235):** Receives data from the telephone line and upstream data, and communicates with the "FILE SERVER" (215) and the "NETWORK MANAGEMENT CPU" (260).
 - RCVR (254):** Receives upstream data and feeds into the "DEMOM" (254') and "DEMUX" (255) blocks.
 - DEMOM (254') and DEMUX (255):** These blocks feed into the "NETWORK MANAGEMENT CPU" (260).
 - WORK STATION (234):** Connected to the "NETWORK MANAGEMENT CPU" (260) via a bidirectional link (272).
 - NETWORK MANAGEMENT CPU (260):** The central control unit, connected to:
 - DATABASES (262):** Via a bidirectional link (276).
 - CONTROL SOFTWARE (261):** Via a bidirectional link (279).
 - INSTRUCTION MEMORY (263):** Via a bidirectional link (278).
 - FILE SERVER (215):** Via a bidirectional link (269).
 - PCI SIGNAL PROCESSING (257):** Via a bidirectional link (274).
 - FILE SERVER (215):** A storage component that feeds into the "MPEG DECODERS" (251) and the "CHANNEL MODULATORS" (238).
 - MPEG DECODERS (251):** Connected to the "FILE SERVER" (215) and the "CHANNEL MODULATORS" (238).
 - CHANNEL MODULATORS (238):** The final output stage, which feeds into the "Cable Distribution To Subscribers" (214).

Fig. 13a

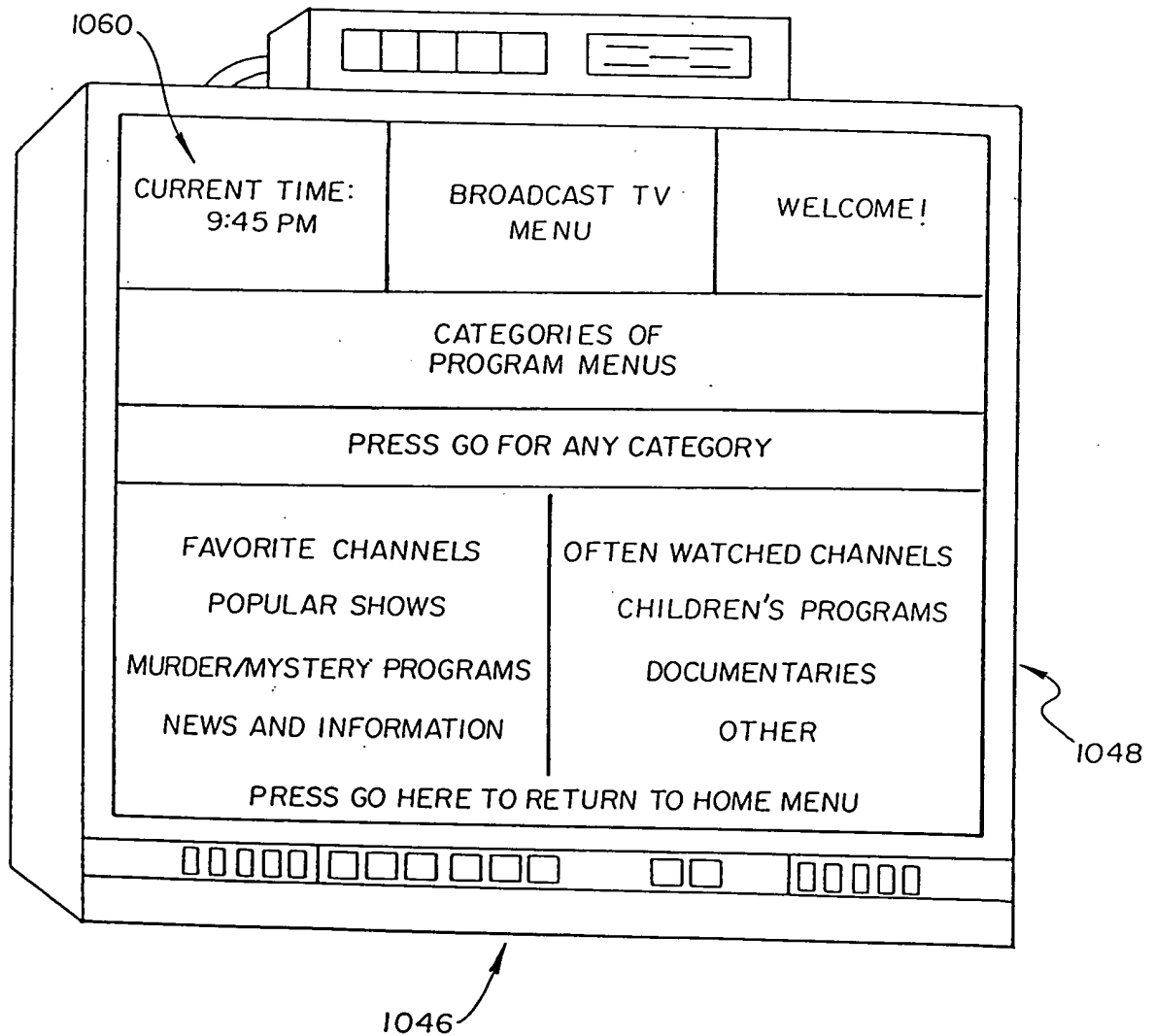


Fig. 13b

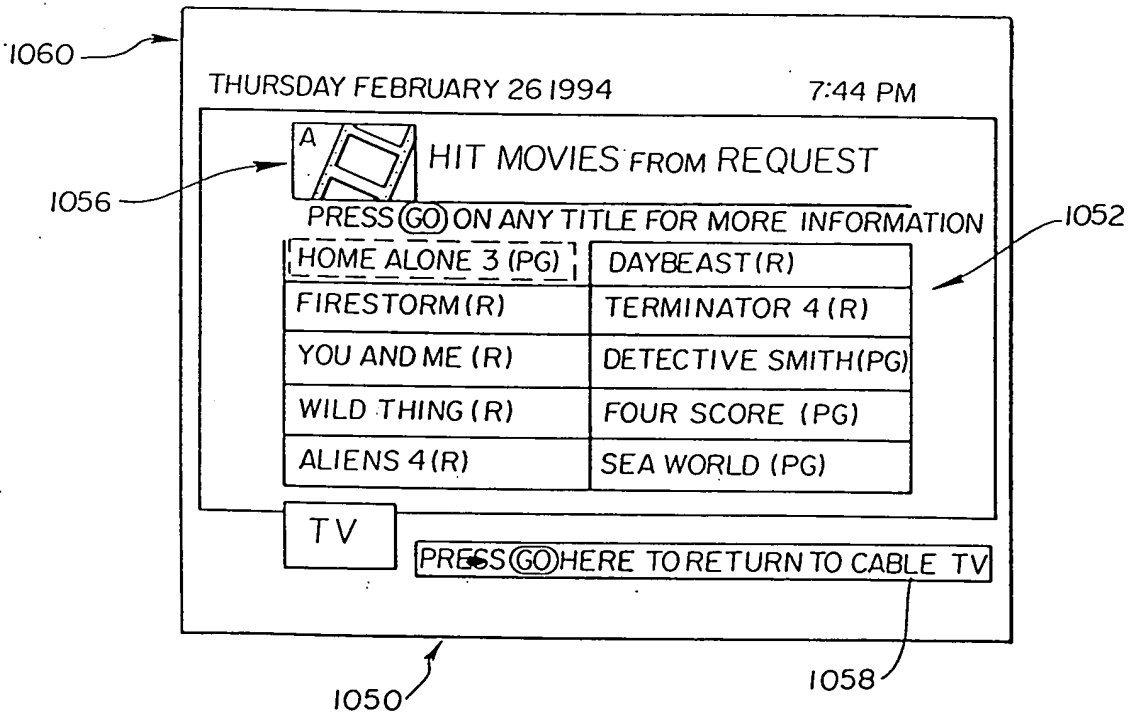
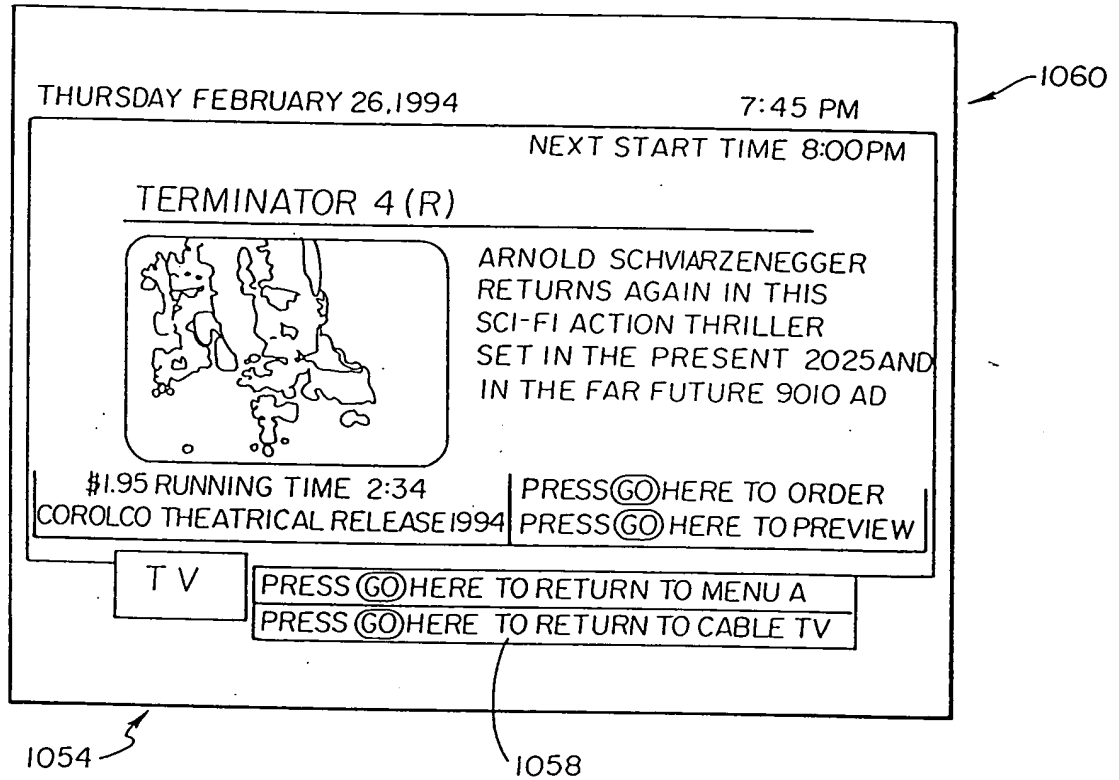


Fig. 13c



866240 E-1042760

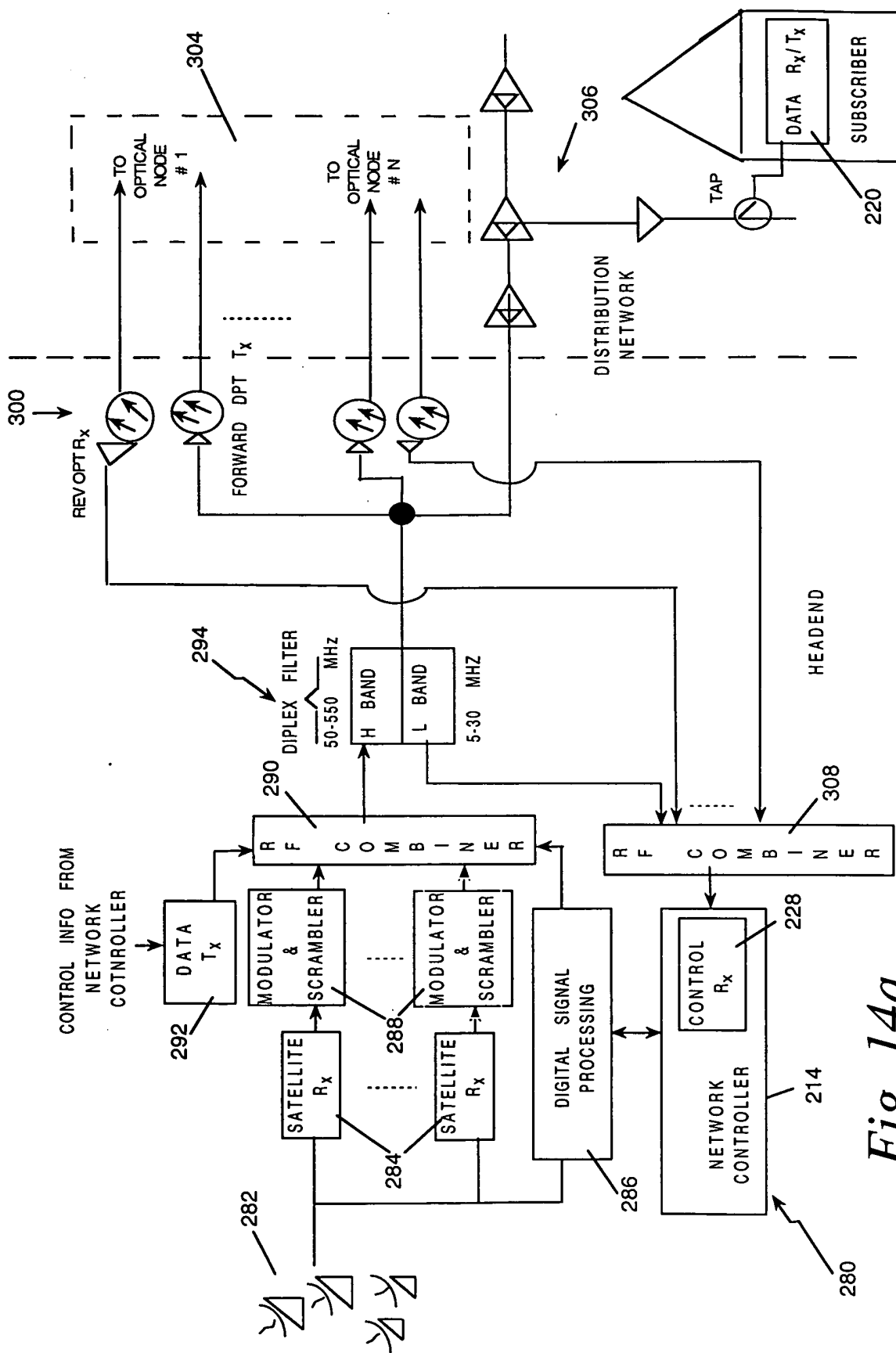


Fig. 14a

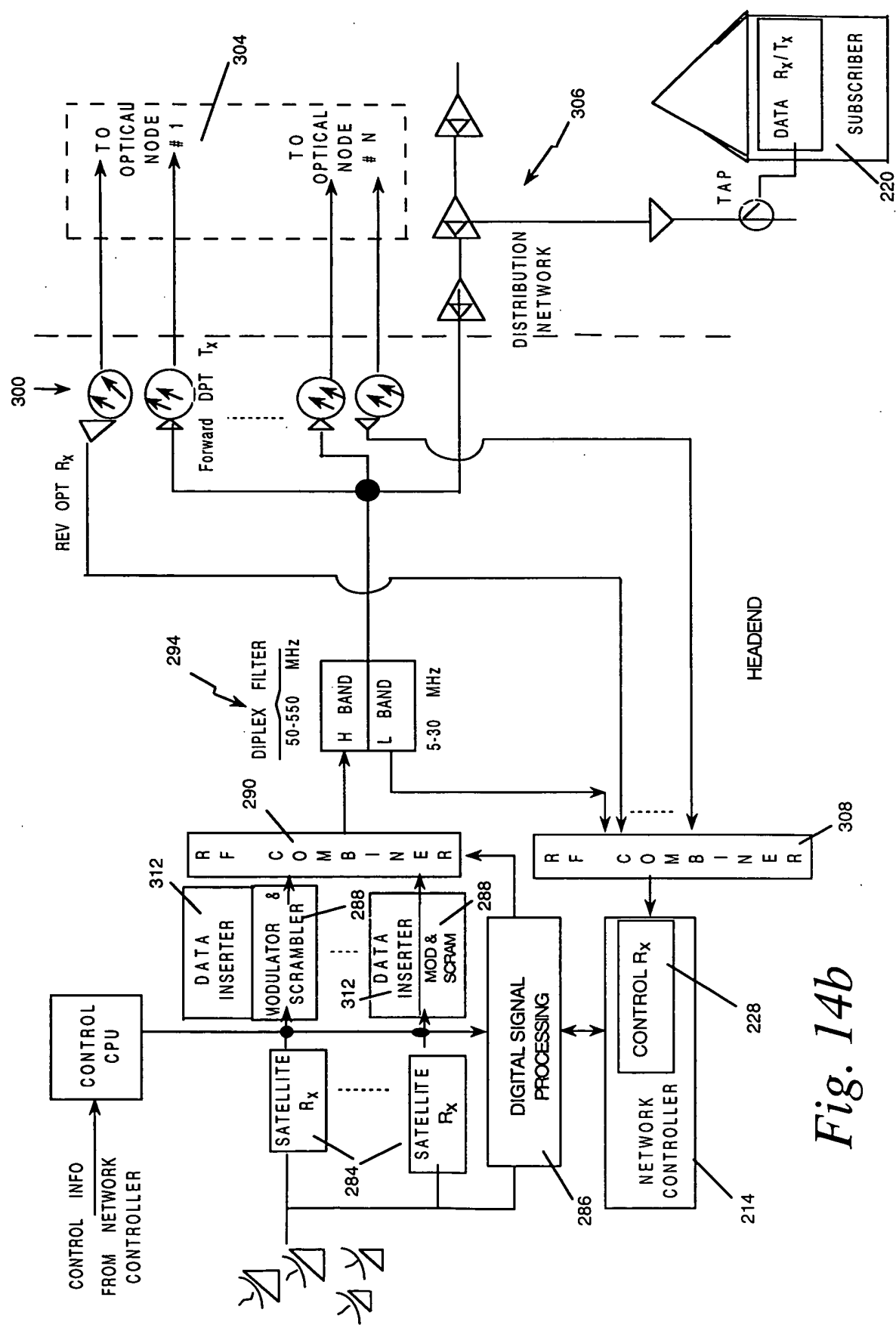


Fig. 14b

SECRET

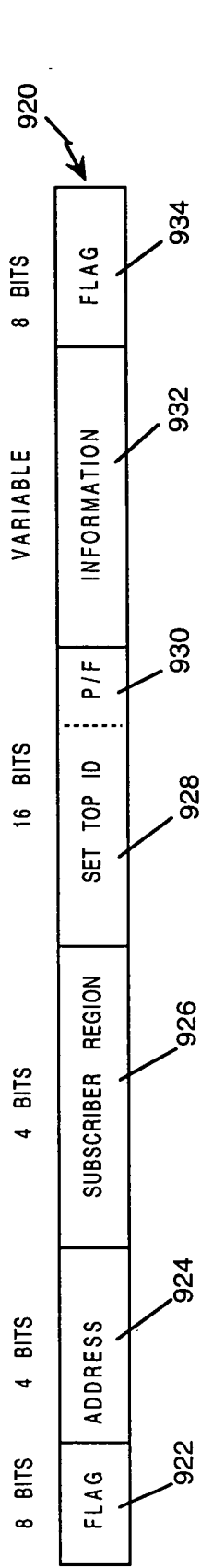


Fig. 15a

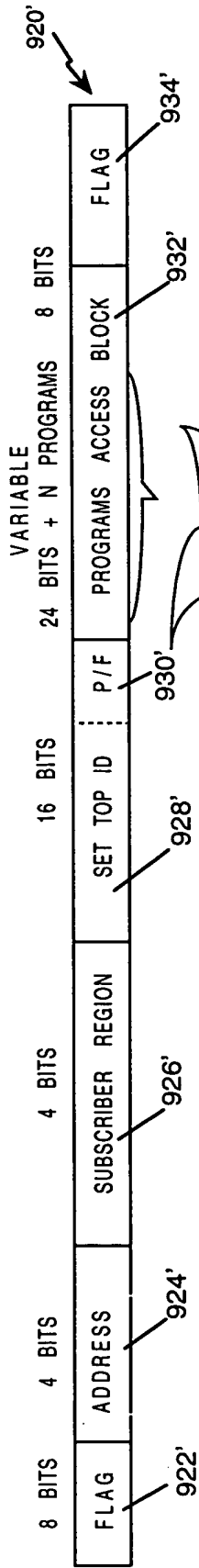
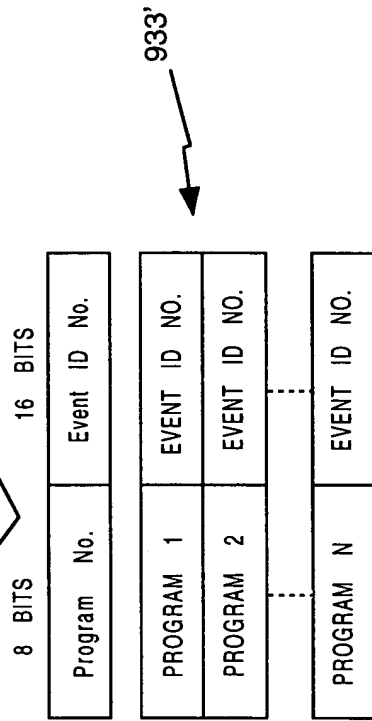


Fig. 15b



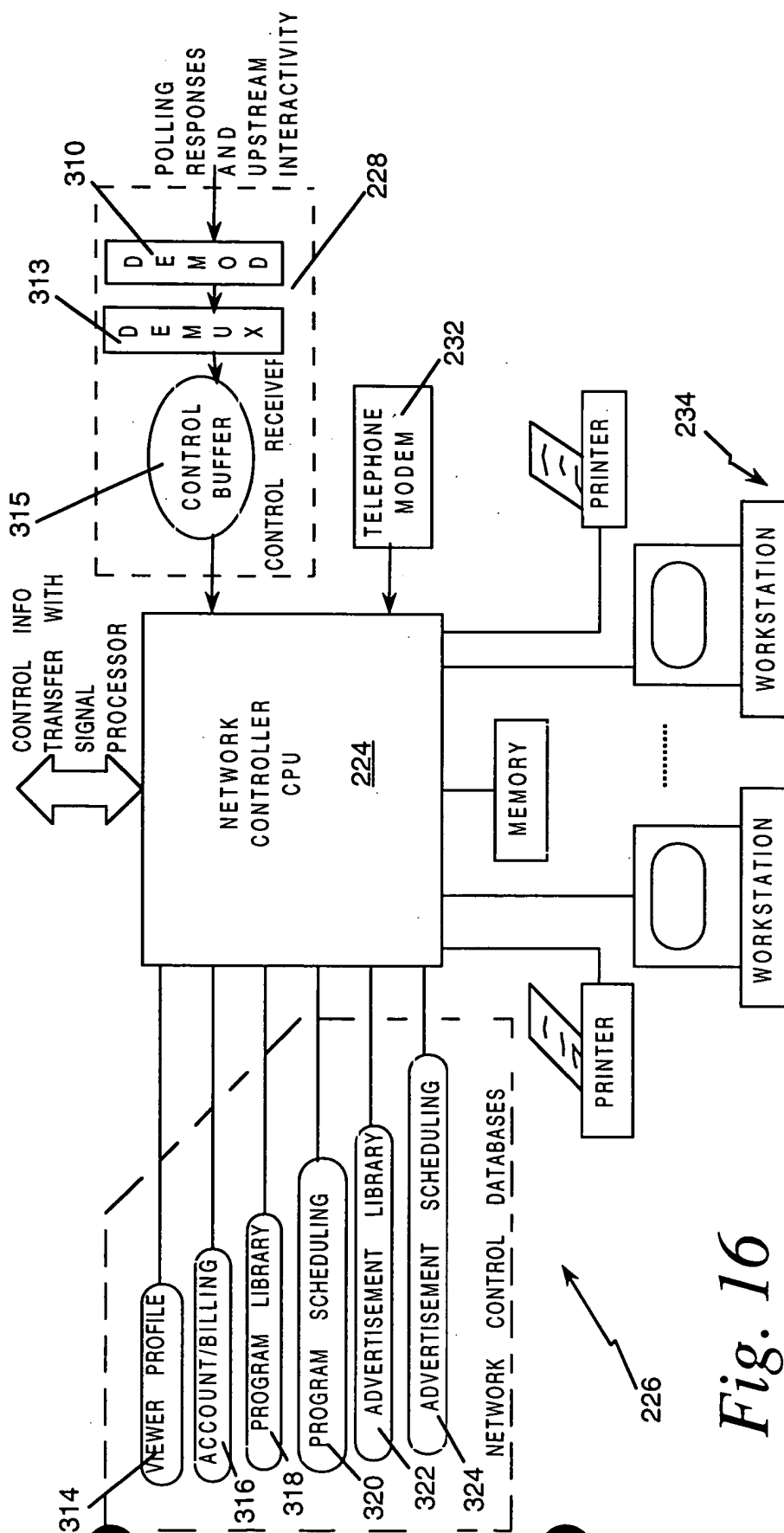
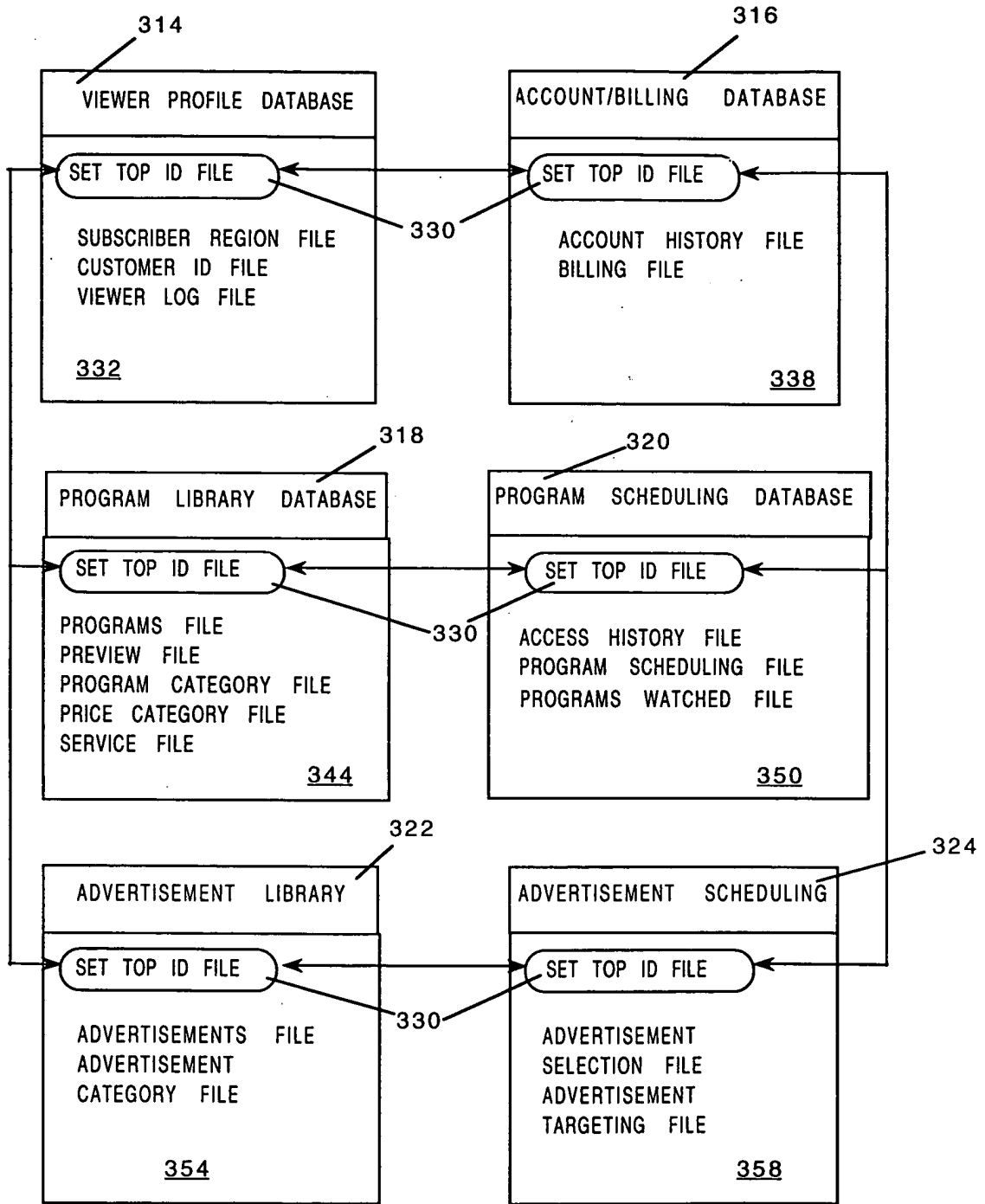


Fig. 16



226

Fig. 17

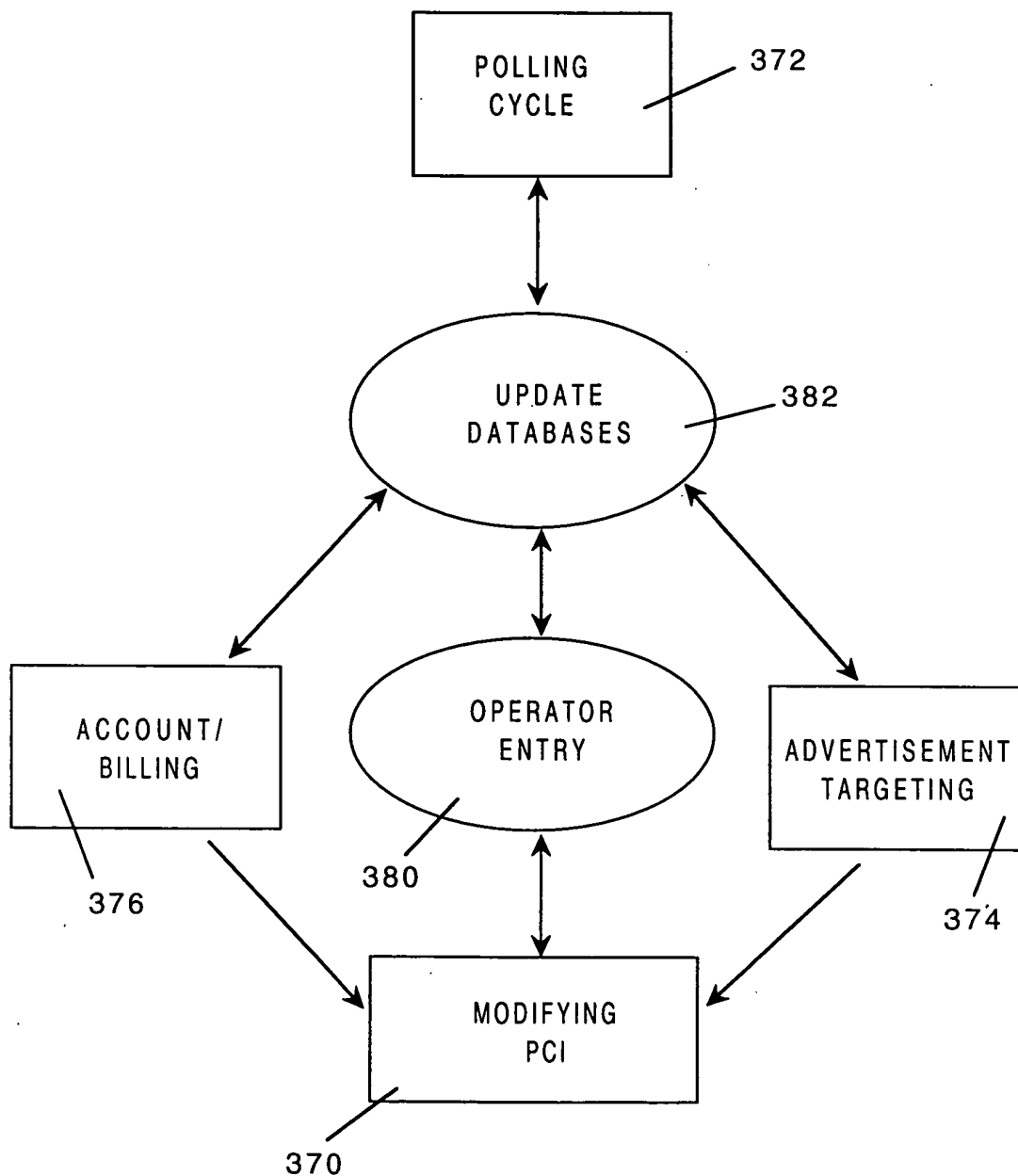


Fig. 18

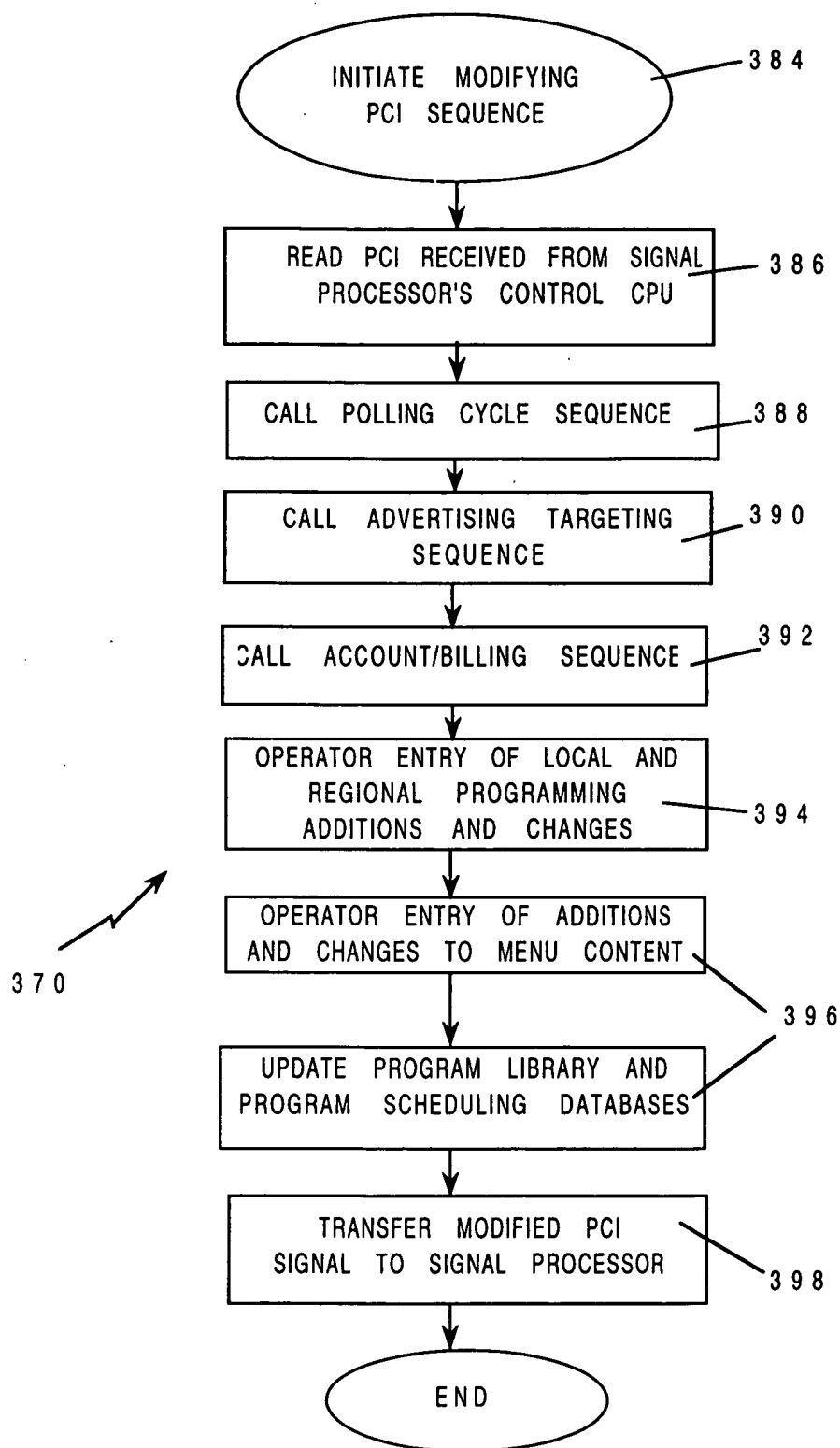


Fig. 19

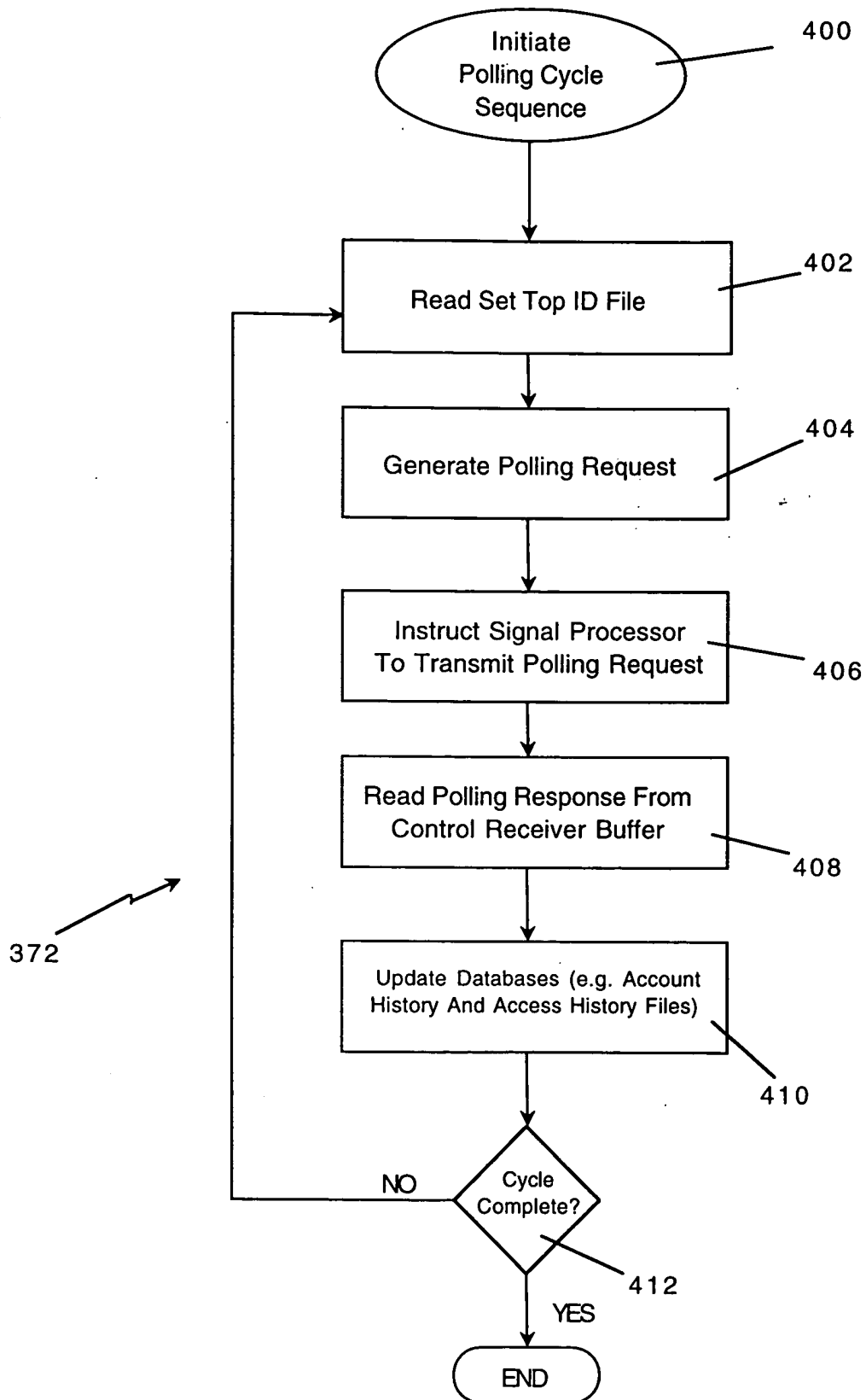


Fig. 20

TIME SLOT	SPORTS	NEWS	MOVIES	CHILDREN	ENTERTAINMENT
0000-0400	0	2	2	0	0
0400-0800	0	2	0	3	0
0800-1200	2	0	10	2	6
1200-1600	20	1	3	5	4
1600-2200	8	6	13	0	5
2000-2400	0	10	2	4	2

351

Fig. 21

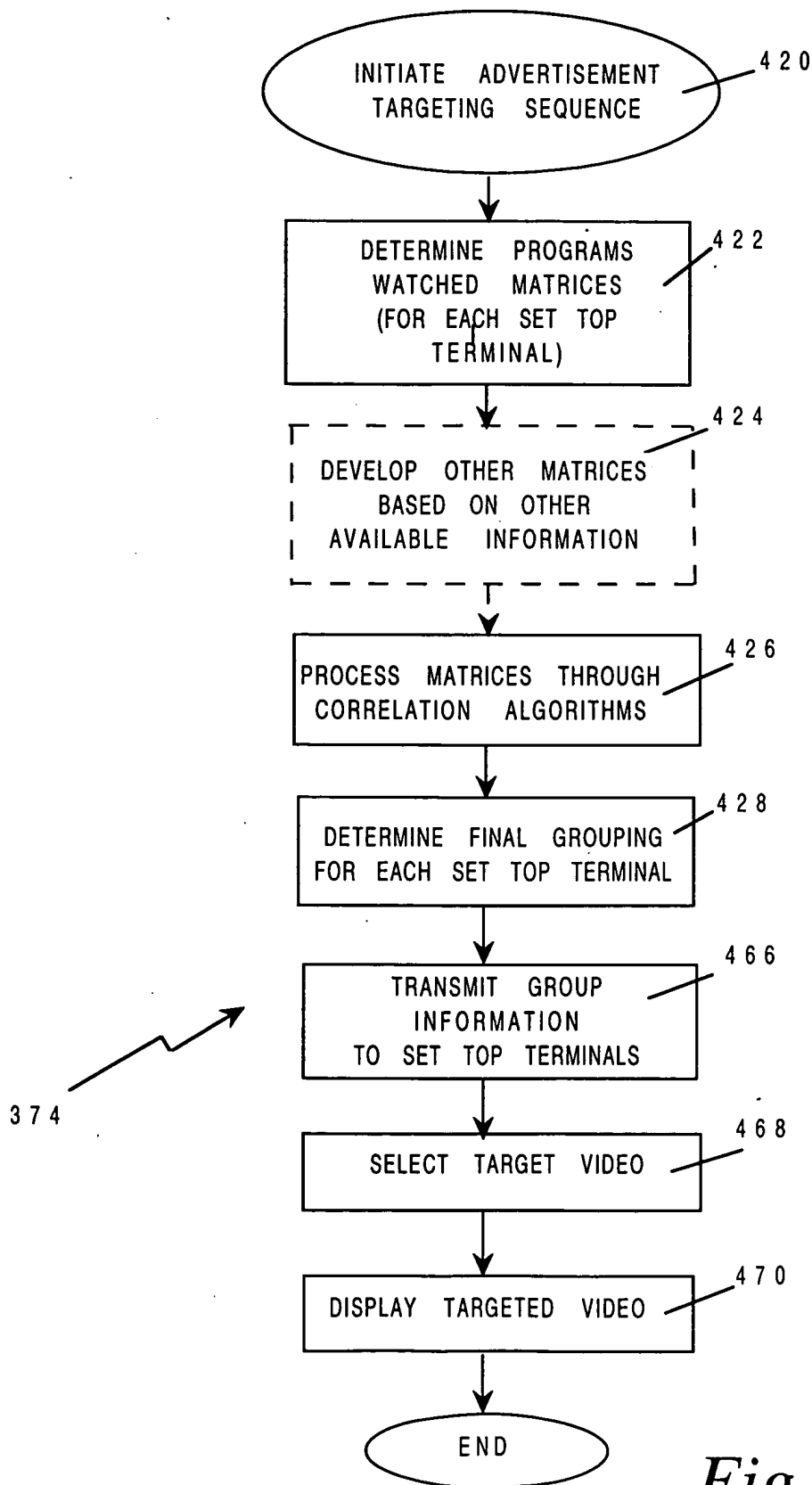


Fig. 22

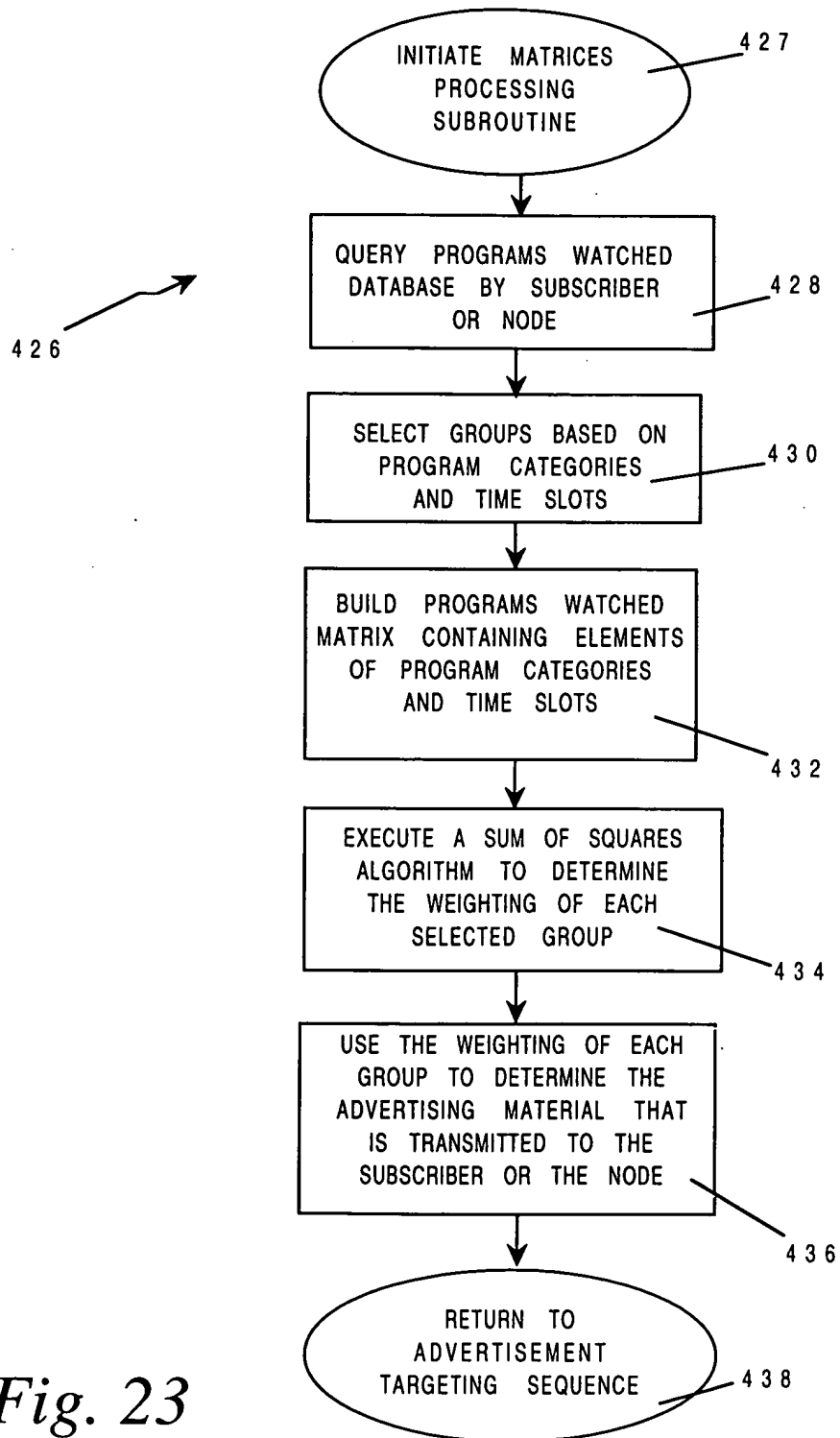


Fig. 23

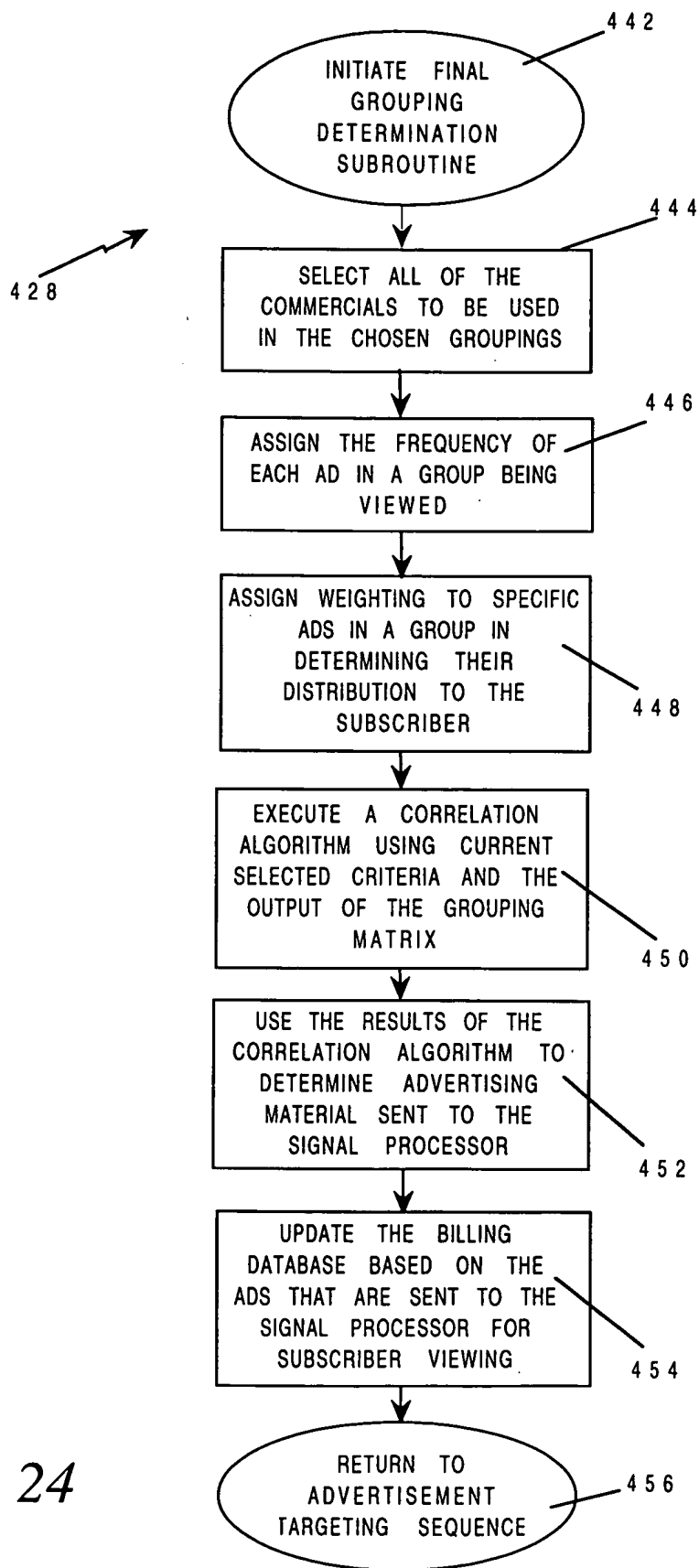
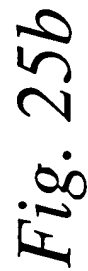
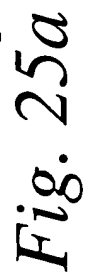


Fig. 24



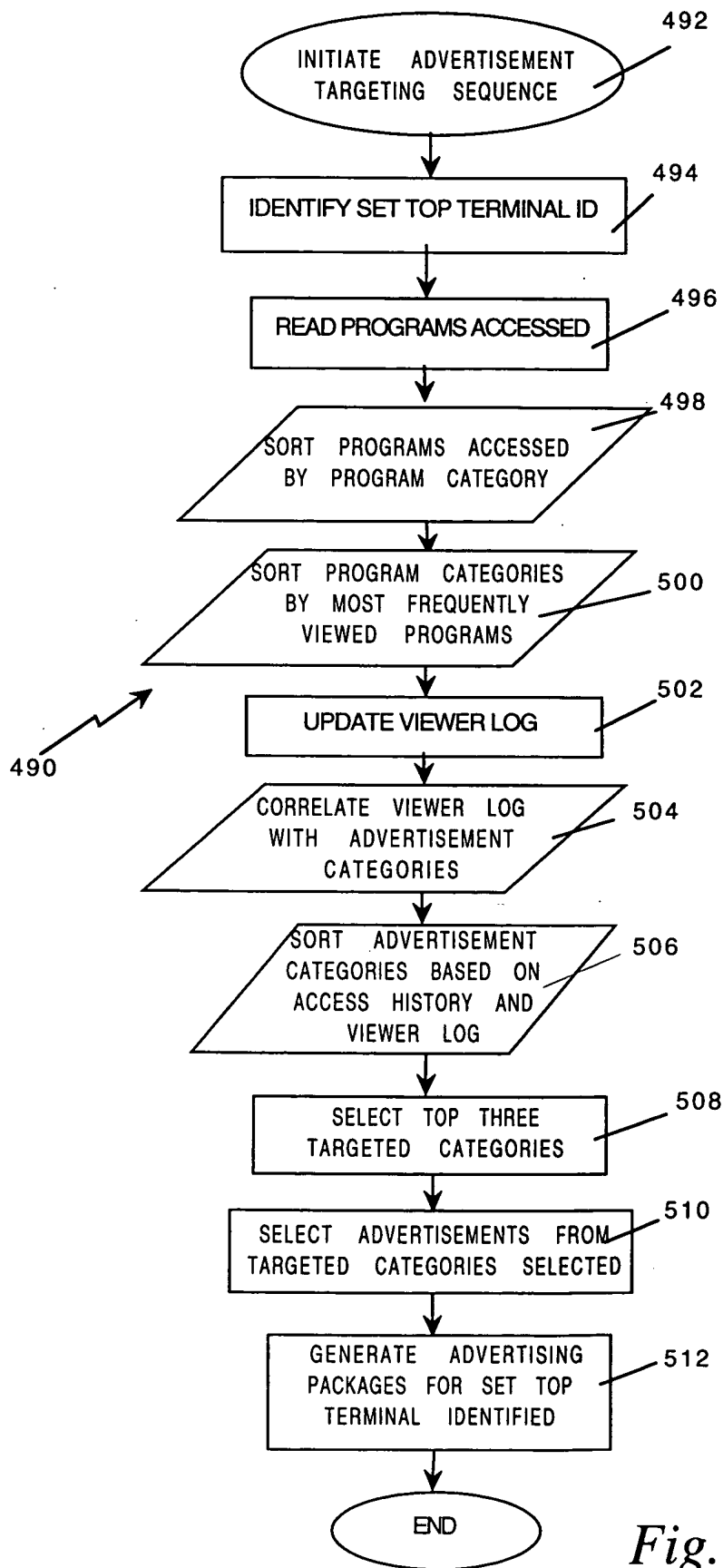


Fig. 26

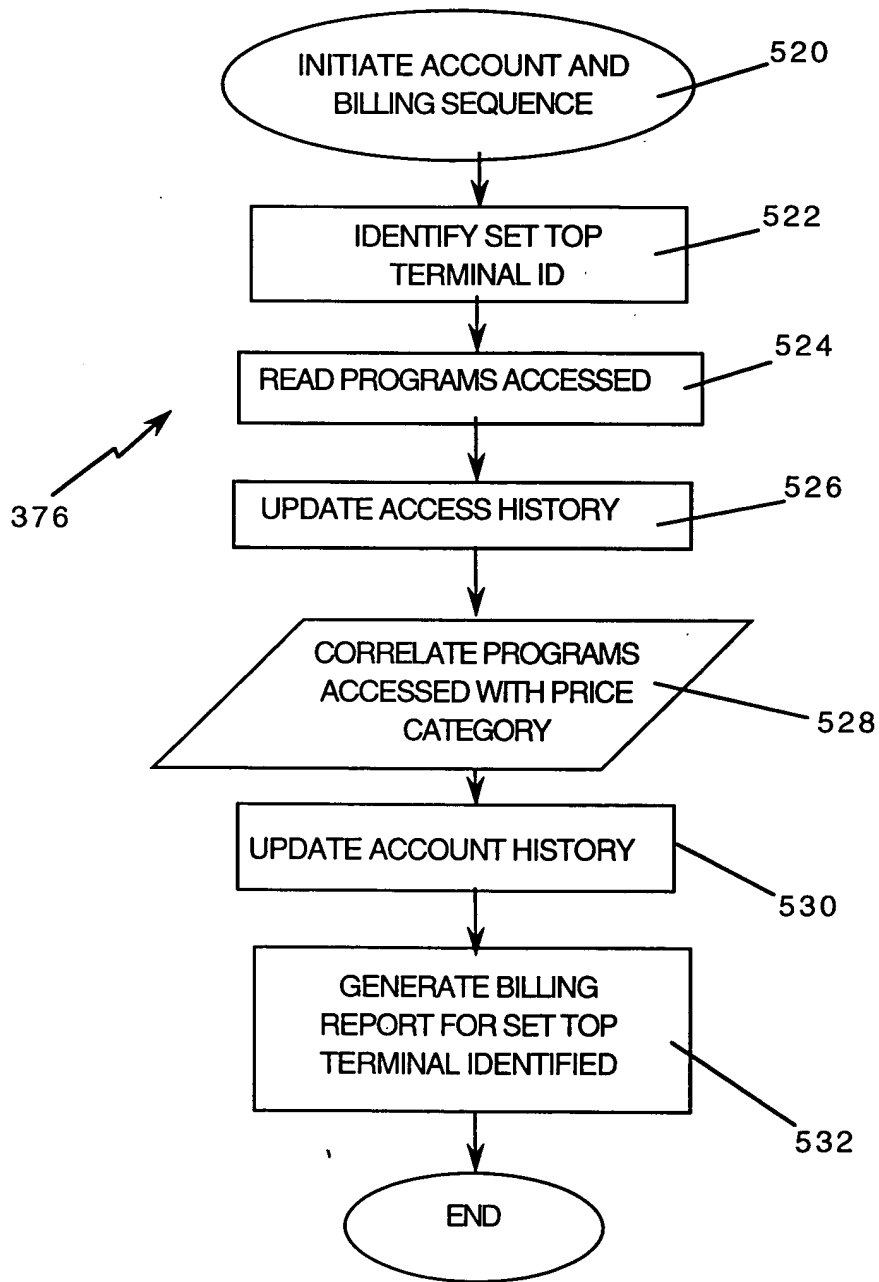


Fig. 27

1740

Central
SBS

1730

Regional
SBS North

Regional
SBS West

Regional
SBS South

Regional
SBS East

1732

Cable
Headend Site
1

Cable
Headend Site
2

Cable
Headend Site
3

Cable
Headend Site
4

Cable
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5

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Community
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Fig. 28

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